

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Julian D. Breckenridge

GENERAL INFORMATION:

Name:	Hollinee, LLC
Address:	Route 8, Black Oak Industrial Park Vanceburg, KY 41179
Date application received:	May 2, 2006
SIC/Source description:	3231/ Glass Products, Made of Purchased Glass
Source ID #:	21-135-00018
Source A.I. #:	2701
Activity #:	APE20060001
Permit number:	V-06-034

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

<u>Criteria Pollutants</u>	<u>Actual (tpy)</u>	<u>Potential (tpy)</u>
PM ₁₀ = PT	29.5	127.0
CO	3.075	6.59
NO _x	3.66	7.84
SO ₂	0.0220	0.04704
VOC	104.7	570.9
<u>Single HAPs</u>		
Formaldehyde	0.0799	0.4066
Methanol	0.00326	0.01902
Styrene	31.4	170.6
Triethyl Amine	0.794	3.99
Xylene	14.5	84.1
Combine HAPs	46.8	259

SOURCE DESCRIPTION:

The Hollinee Vanceburg facility manufactures cured polyester fiberglass mats. Hollinee primarily uses two types of resin (styrenated and alcohol based (176 resin)). The first step in the process involves simultaneously applying very fine glass strains and polyester resin to a 12-foot long rotating drum. The glass strains are applied from above the drums by a natural gas fired traveling furnace that moves back and forth along the length of the drum. The binder is applied from behind the drum by a traveling spray nozzle that also moves back and forth with the glass-melting furnace. After the desired amount of binder and glass is applied to drum, the uncured mat is manually removed from the drum by cutting the mat lengthwise along the drum. The uncured mat is then rolled up and moved to a staging area for further processing in the curing oven. Next, the uncured mat is unrolled onto the natural gas fired letoff table. The uncured mat is stretched over the letoff table and fed into the natural gas fired curing oven. Emissions from the forming drums are uncontrolled.

As of today, Hollinee is now operating with a total of 22 forming drums with each including one 0.15 mmBtu/hr natural gas fired glass-melting furnace and one binder spray applicator. All pollutant emissions generated during the production include particulate matter (PM), and primarily volatile organic compounds (VOC) and hazardous air pollutants (HAP) emissions such as mainly styrene and xylene.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS: NONE

OPERATIONAL FLEXIBILITY: NONE